KARNATAKA TEST HOUSE PVT LTD.

MATERIAL TESTING LABORATORY

NABL Accredited Laboratory as per ISO/IEC 17025

Report No. : KTH/C.AGG/2011-3403/2013-2014 **Date: 23.12.2013**

TEST REPORT ON AGGREGATE

(Fine Aggregate)

Name of the Customer* : **The Assistant Executive Engineer,**
BBMP, Shettyhalli Sub Division,
Dasarahalli zone, Bangalore.

Name of the Project* : Providing Cement Concrete to Cross Road at back side of shubhodaya school in ward no.13 in shettyhalli sub-division

Name of Contractor* : Mr. Ashwathnarayana, Bangalore.

Source of Sample : Supplied by the Contractor.

Sample Received on : 19.12.2013.

Technical Reference : IS : 2386 Part I to VIII– 1963 (Reaffirmed-2002), IS : 383 – 1970.

Sieve Analysis of Fine Aggregate (River Sand)

Sl. No.	Sieve size mm	% Passing	IS : 383 – 1970 Specification				Remarks
			% passing for Zone I	% passing for Zone II	% passing for Zone III	% Passing for Zone IV	
1	10	100	100	100	100	100	Falls in Zone –II as per table 4 of IS-383 – 1970.
2	4.75	95.5	90 – 100	90 – 100	90 – 100	95 - 100	
3	2.36	90.3	60 – 95	75 – 100	85 – 100	95 - 100	
4	1.18	71.6	30 – 70	55 – 90	75 – 100	90 - 100	
5	0.600	42.4	15 – 34	35 – 59	60 – 79	80 - 100	
6	0.300	8.9	5 – 20	8 – 30	12 – 40	15 to 50	
7	0.150	0.5	0 – 10	0 – 10	0 – 10	0 to 15	

Sl. No.	Test Conducted	Results	IS : 383 – 1970 Stipulations
1.	Materials finer than 75 microns (%) (Deleterious Material)	1.21	Shall not be more than 3.0 %.

* As furnished by the Customer

For **KARNATAKA TEST HOUSE PVT. LTD.**

(SREENIVASA C)
TECHNICAL MANAGER

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Note : 1) This report is not to be reproduced except in full without our prior permission in writing.
2) The results listed refer only to the tested samples and applicable parameters.

778/44, Gokul 1st Stage, 2nd Phase, 8th Cross, Triveni Road, Yeshwanthpur, Bangalore - 560 054.
Tel: 23378383 Telefax : 23375326, E-mail : kthblr@gmail.com Website : www.karnatakatesthouse.com

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MATERIAL TESTING LABORATORY

NABL Accredited Laboratory as per ISO/IEC 17025

NABL Accredited Lab Certificate No.T-0901

Report No. : KTH/C.AGG/2011-3404/2013-2014 **Date: 23.12.2013**

PHYSICAL TEST REPORT ON CEMENT

Interim 3 & 7 days

Name of the Customer*	:	**The Assistant Executive Engineer,** BBMP, Shettyhalli Sub Division, Dasarahalli zone, Bangalore.
Name of the Project*	:	Providing Cement Concrete to Cross Road at back side of shubhodaya school in ward no.13 in shettyhalli sub-division
Name of Contractor*	:	Mr. Ashwathnarayana, Bangalore.
Source of Sample	:	Supplied by Contractor.
Type of cement*	:	Ordinary Portland Cement (OPC)
Brand of cement*	:	Zuari 43 Grade.
Sample Received on	:	19.12.2013
Period of test	:	19.12.2013 to 22.12.2013
Technical Reference	:	IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 12269-1987.

Sl. No.	Test Conducted	Results	IS : 12269-1987 Stipulation	Remarks
1	Normal consistency	29.25 %	Not specified	-
2	Initial setting time	164 minutes	Shall not be less than 30 minutes	P
3	Final setting time	248 minutes	Shall not be more than 600 minutes	P
4	Compressive strength (Average of three results) a. 72 ± 1h (3 days) b.168 ± 2h (7 days) c. 672 ± 4h (28 days)	 28.78 MPa 39.13 MPa T.T.C	 Shall not be less than 27.0 MPa Shall not be less than 37.0 MPa Shall not be less than 53.0 MPa	 P P -
5	Fineness (By Blaine's air permeability method)	335.36 m^2/kg	Shall not be less than 225m 2/kg	P
6	Soundness (Le-chatlier's method)	1.01 mm	Shall not be more than 10 mm	P

P: Passes IS requirement F: Fails IS requirement T.T.C: Test to be Conducted.

* As furnished by the Customer

For **KARNATAKA TEST HOUSE PVT. LTD.**

(SREENIVASA.C.)
TECHNICAL MANAGER

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E-Mail : kthblr@gmail.com Web Site : www.karnatakatesthouse.com

Report No. : KTH/C.AGG/2011-3405/2013-2014 **Date: 20.12.2013**

TEST REPORT ON CONCRETE CUBES

To,

The Assistant Executive Engineer,
BBMP, Shettyhalli Sub Division,
Dasarahalli zone, Bangalore.

Name of the Project*: - Providing Cement Concrete to Cross Road at back side of shubhodaya school in ward no.13 in shettyhalli sub-division.

Name of the Contractor* : Mr. Ashwathnarayana, Bangalore.

Sample Received on: 19.12.2013

Compressive Strength test as per IS: 516-1959 (Reaffirmed 1999) has been conducted on the concrete cube specimens, supplied by the Customer and the results are tabulated here below:

Dimension of Specimen: 150mmx150mmx150mm

Sl. No	Cubes pertaining to the concrete cast at*(Details of structural member identification)	Grade of Concrete*	Date of casting*	Date of Testing	Age of Concrete on the date of test**	Contact area (mm^2)	Weight of Specimen (Kg)	Load in KN	Compressive Strength in N/mm^2
1.	Road Concrete	M_{20}	02.12.2013	19.12.2013	17	22500	8.300	510	22.67
2.		"	"	"	"	"	8.210	530	23.55
3.		"	"	"	"	"	8.200	552	24.53

1 N/Sq.mm = 10Kg/Sq.cm.(Approx.)
*As Furnished by the Customer
**Based on the data furnished by the Customer
Note: A minimum of three cube specimens shall be supplied for testing as per IS:516-1959.

KARNATAKA TEST HOUSE PVT. LTD. BANGALORE-54

for KARNATAKA TEST HOUSE PVT. LTD.

(SREENIVASA.C.)
TECHNICAL MANAGER

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಯಲಹಂಕ ಉಪ ವಿಭಾಗ, ಯಲಹಂಕ ನ್ಯೂ ಟೌನ್

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